

A2
phase corresponding to T_5 ; and in finger 332 with chip sequence(s) having a phase corresponding to T_{15} . The finger outputs are multiplied by individual weights 340, 342, 350, and 352 to maximize the received signal-to-noise-and-interference ratio. The weighted outputs are then added by an accumulator 362. The output of the accumulator 362 is fed to a threshold device 364, or to a quantizer that outputs soft information.

On page 8, please replace the second paragraph with the following paragraph:

A3
FIG. 5 is another schematic drawing of a RAKE receiver and a second stage that selects or generates a second set of paths. An antenna 108 and a RF receiver 110 provide digital samples 112 to fingers 320, 322, 330, and 332. Antenna 108 and RF receiver 110 also provide digital samples to a searcher 101, a selector 201, and a control processor 600. The control processor 600 can instruct searcher 101 via path 601 to use digital samples 112 to find a set of candidate paths 180.

On page 8, please replace the third paragraph (spanning pages 8 to 9) with the following paragraph:

A4
The selector 201 uses the set of candidate paths 180 to select a smaller set or a subset of paths 280. If, for example, the RAKE receiver has four fingers, the second set of paths 280 contains four paths: 280a, 280b, 280c, and 280d. The first path 280a is used to configure finger 332; the second path 280b is used to configure finger 330; the third path 280c is used to configure finger 322; and the fourth path 280d is used to configure finger 320. The selector 201 uses digital samples 112 and the first set of candidate paths 180 to select new paths. The diversity combiner and decoder 350 use the outputs of the four fingers to recreate an estimate of the transmitted signal. The control processor 600 monitors the quality of the estimate via path 603 and uses this information to control the searcher 101 and the selector 201 via paths 601 and 602.

IN THE CLAIMS:

Please replace claims 1-4, 7, 11, 13 and 22 with the following amended claims.